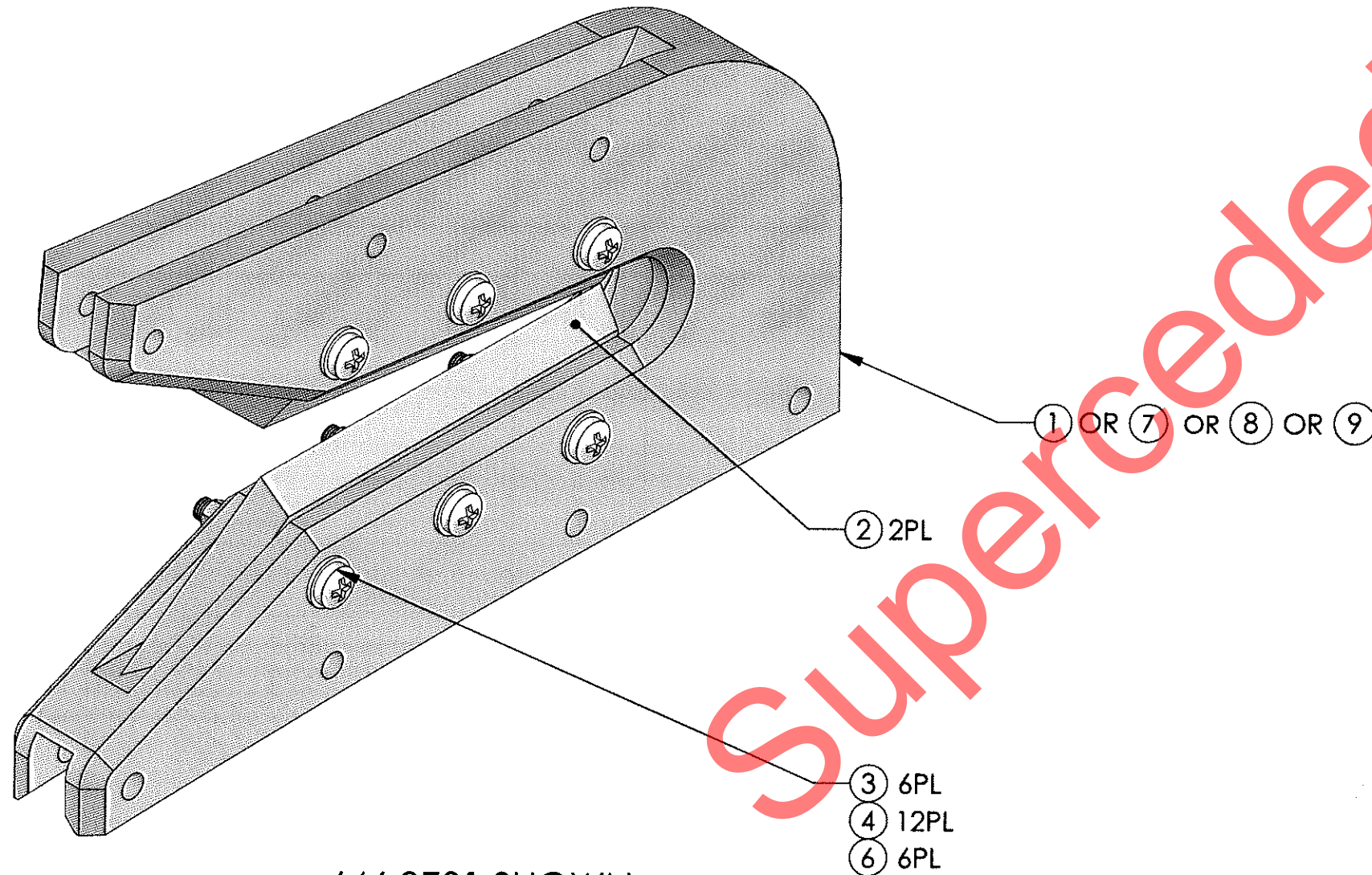


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REVISIONS				REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED	REV.	DESCRIPTION	DATE	APPROVED
E	INCORPORATED ECN 05345, 05360 & 05951	03/30/18	P. BRAVO	NC	LAST PROTOTYPE REVISION - PR2		N/C
					INITIAL RELEASE	03/29/09	P. BRAVO
				A	INCORPORATED ECN 02744, 03838, 03912	06/06/13	P. BRAVO
				B	INCORPORATED ECN 03967	07/03/13	P. BRAVO
				C	INCORPORATED ECN 04039	08/09/13	P. BRAVO
				D	INCORPORATED ECN 05329	02/26/16	P. BRAVO

NOTES:

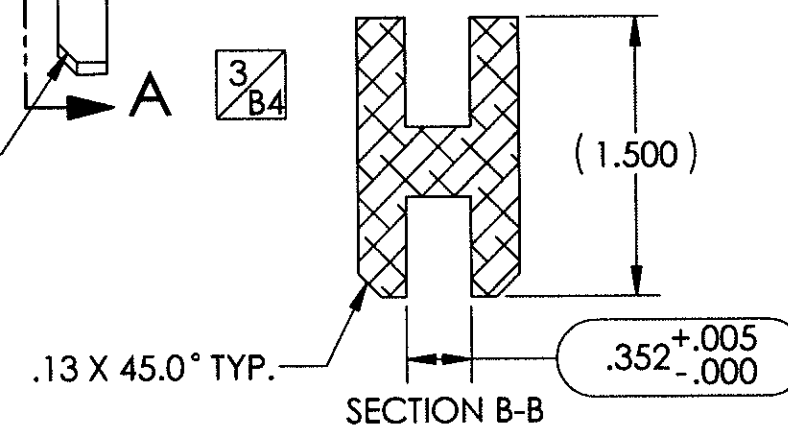
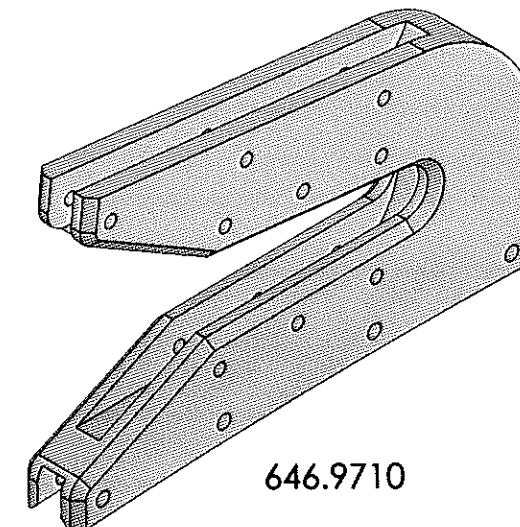
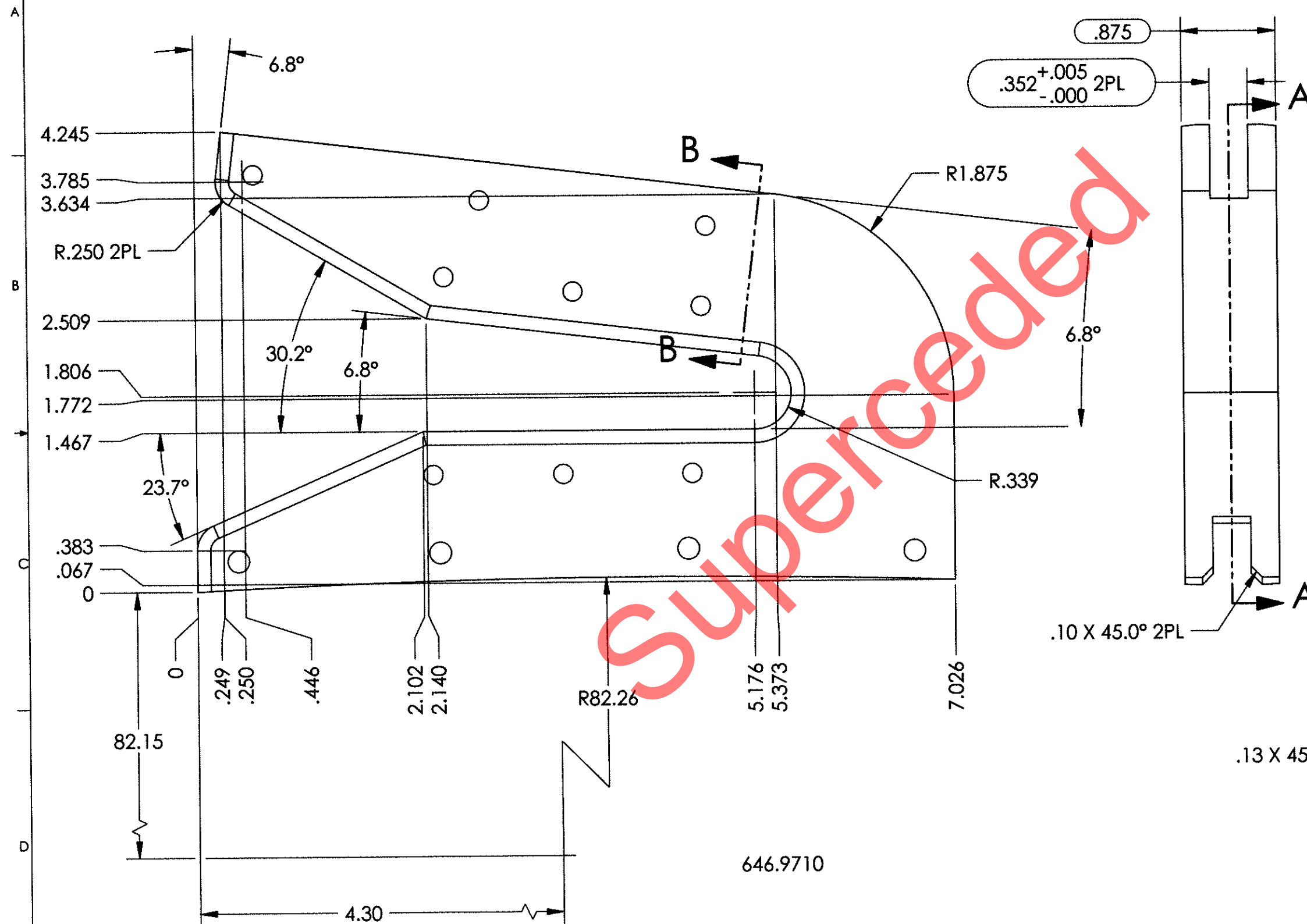
- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12
- 2 FINISH IAW MPP-172 SECTION 2.1, 3.3 & 4.3.
- 3 MATERIAL: AISI A2 TOOL STEEL  
CONDITION: ANNEALED  
POST PROCESS: HEAT TREAT TO 58-62 Rc ROCKWELL HARDNESS
- 4 FINISH: PRIME IAW MPP-172 SECTION 3.3; 1-2 MIL MAX
- 5 DEBURR AND BREAK ALL SHARP EDGES EXCEPT WHERE OTHERWISE NOTED
- 6 IDENTIFY IAW MPP-120
- 7 APPLY F/N 5 AS REQUIRED TO ALL FAYING SURFACES OF F/N 2 UPON ASSEMBLY
- 8 CUTTING EDGE INTENDED TO BE SHARP, DO NOT BREAK SHARP EDGE
- 9 ALL DIMENSIONS NOT SPECIFIED ARE CONTROLLED BY 646.9710.



646.9701 SHOWN  
646.9702, 646.9703, & 646.9704 TYP

1				9	646.9714	BODY		△	△△
	1			8	646.9713	BODY		△	△△
		1		7	646.9712	BODY		△	△△
6	6	6	6	6	601.1541	LOCKNUT	MS21042L08		
A/R	A/R	A/R	A/R	5	601.2045	RTV, LOCTITE 598			
12	12	12	12	4	601.2764	WASHER	NAS1149FN832P		
6	6	6	6	3	601.2765	SCREW	MS27039-0819		
2	2	2	2	2	646.9711	BLADE			△
			1	1	646.9710	BODY		△	△
X					646.9704	CUTTER SUB ASSY			
	X				646.9703	CUTTER SUB ASSY			
		X			646.9702	CUTTER SUB ASSY			
			X		646.9701	CUTTER SUB ASSY			
.9704	.9703	.9702	.9701	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.	
QTY					PARTS LIST				
NEXT ASSY (S)					ORIGINAL DATE (MO-DA-YR) 05-29-09		 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE		
646.9600					DRAWN BY R. ROSANO CHECKER P. BRAVO				
647.1400					DRAWING APPROVAL P. BRAVO 05-29-09				
					CONTRACT No.				
					UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CUTTER SUB ASSEMBLY		
					SIZE B	CAGE CODE 07MZ6	DWG. NO. 646.9700	REV. E	
					SCALE NONE			SHEET 1 OF 8	

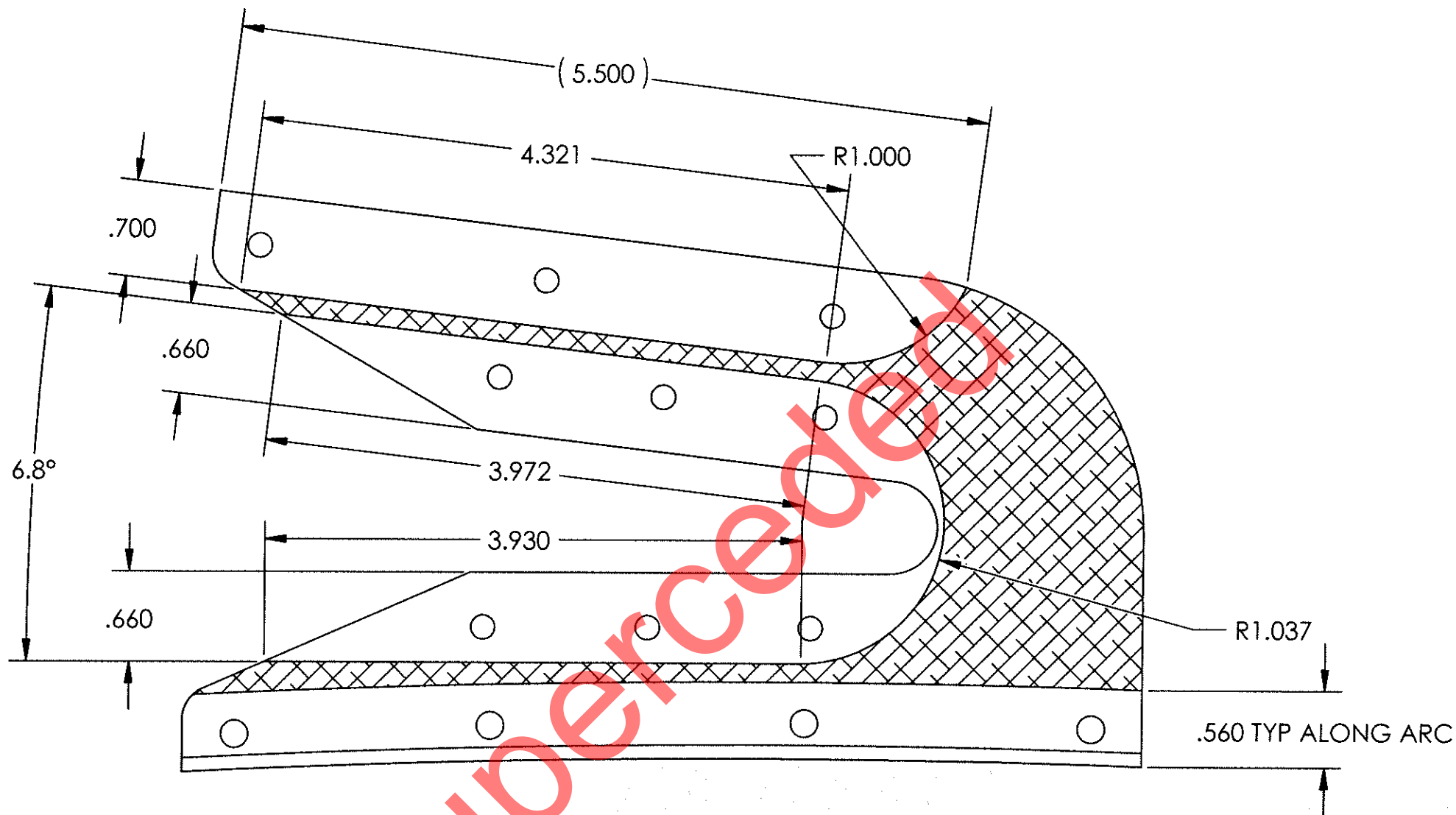
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ORIGINAL DATE (MO-DA-YR) 05-29-09	DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE			3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300
DRAWN BY R. ROSANO	CHECKER P. BRAVO	CUTTER SUB ASSEMBLY		
DRAWING APPROVAL P. BRAVO 05-29-09	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°			REV. E
CONTRACT No.	SIZE B	CAGE CODE 07MZ6	DWG. NO. 646.9700	SHEET 2 OF 8
SCALE NONE				

1 2 3 4 5 6 7 8

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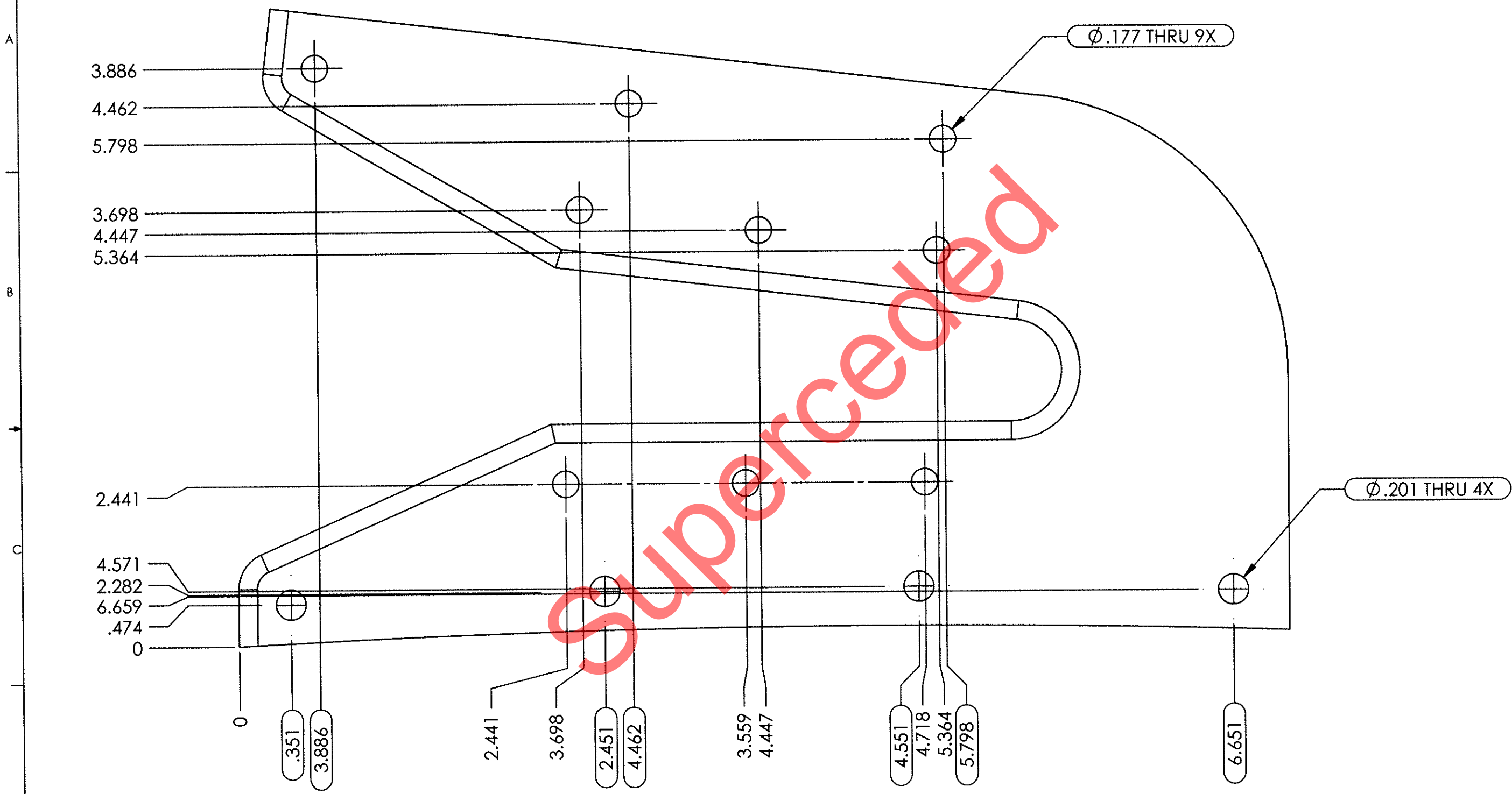


SECTION A-A  $\frac{2}{C6}$

ORIGINAL DATE (MO-DA-YR) 05-29-09		<b>DART</b> 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE	
DRAWN BY R. ROSANO	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-29-09		CUTTER SUB ASSEMBLY	
CONTRACT No.		SIZE B	REV. E
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		CAGE CODE 07MZ6	DWG. NO. 646.9700
		SCALE NONE	SHEET 3 OF 8



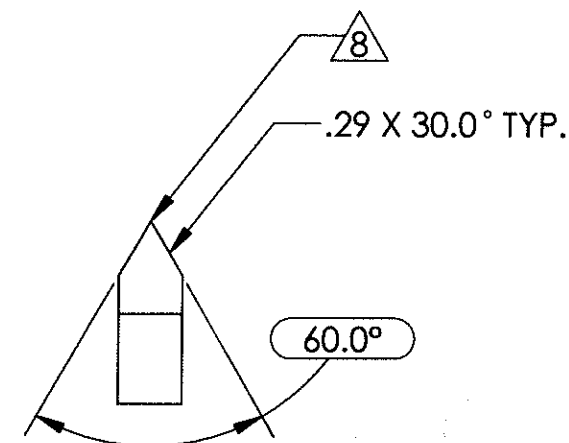
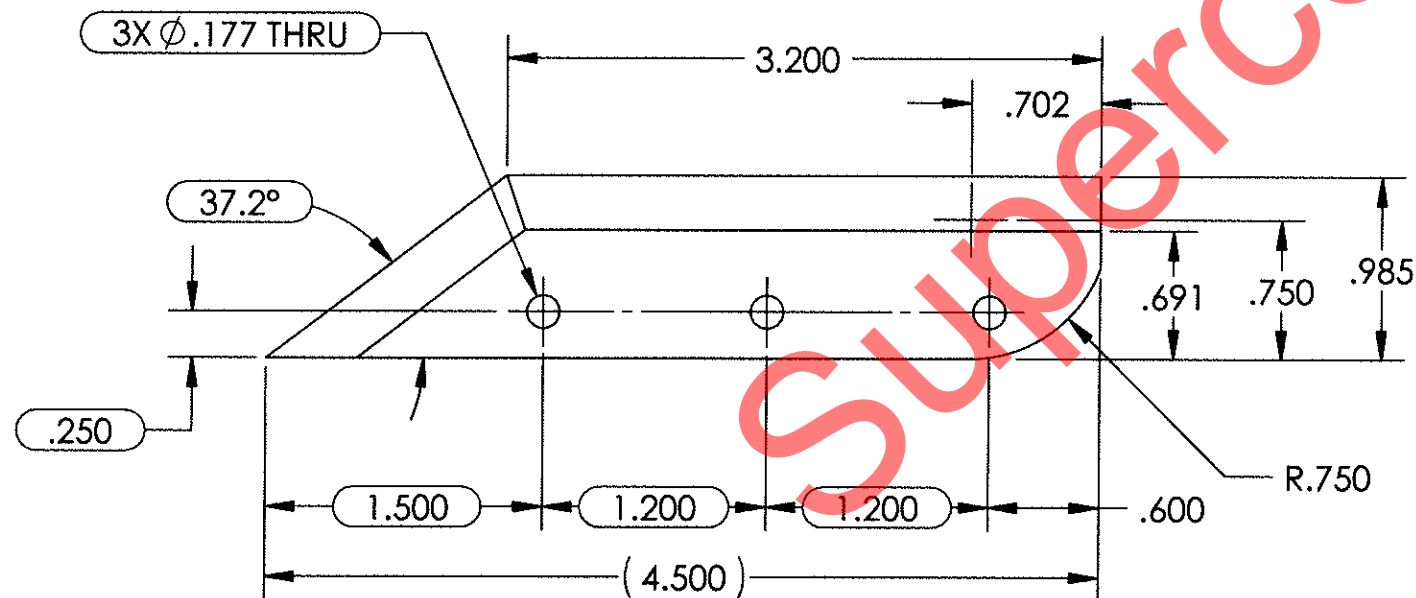
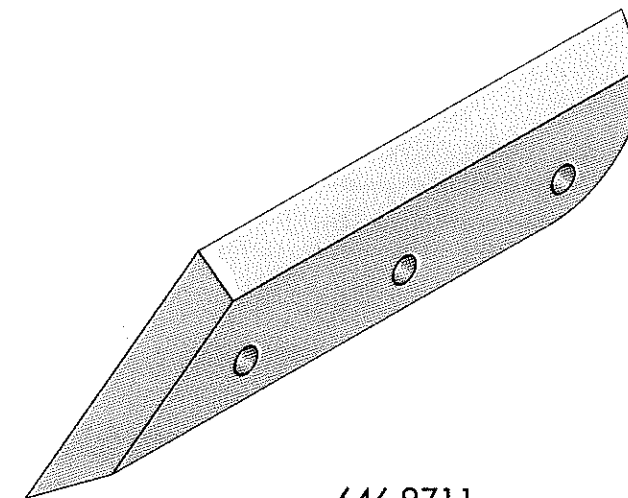
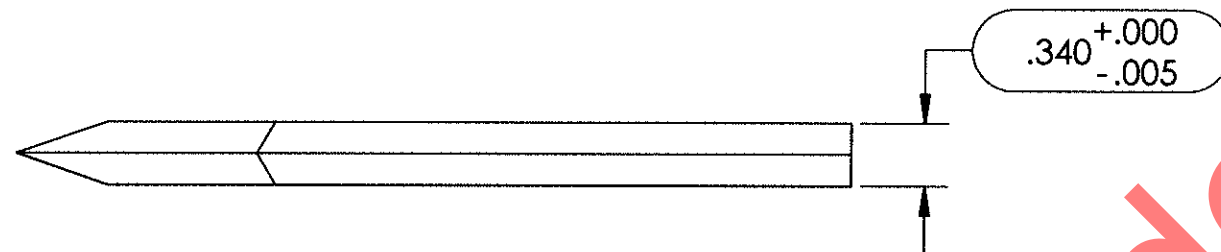
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HOLE LOCATIONS +/- .002  
646.9710

ORIGINAL DATE IMO-DA-YR 05-29-09		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY R. ROSANO		CHECKER P. BRAVO	
DRAWING APPROVAL P. BRAVO 05-29-09		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		CUTTER SUB ASSEMBLY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	CAGE CODE 07MZ6
		DWG. NO. 646.9700	REV. E
		SCALE NONE	SHEET 4 OF 8

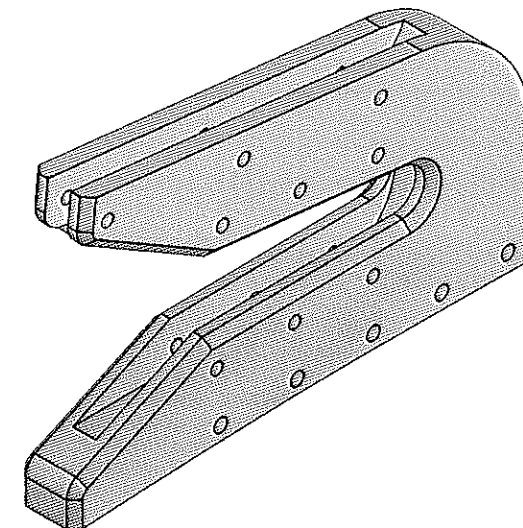
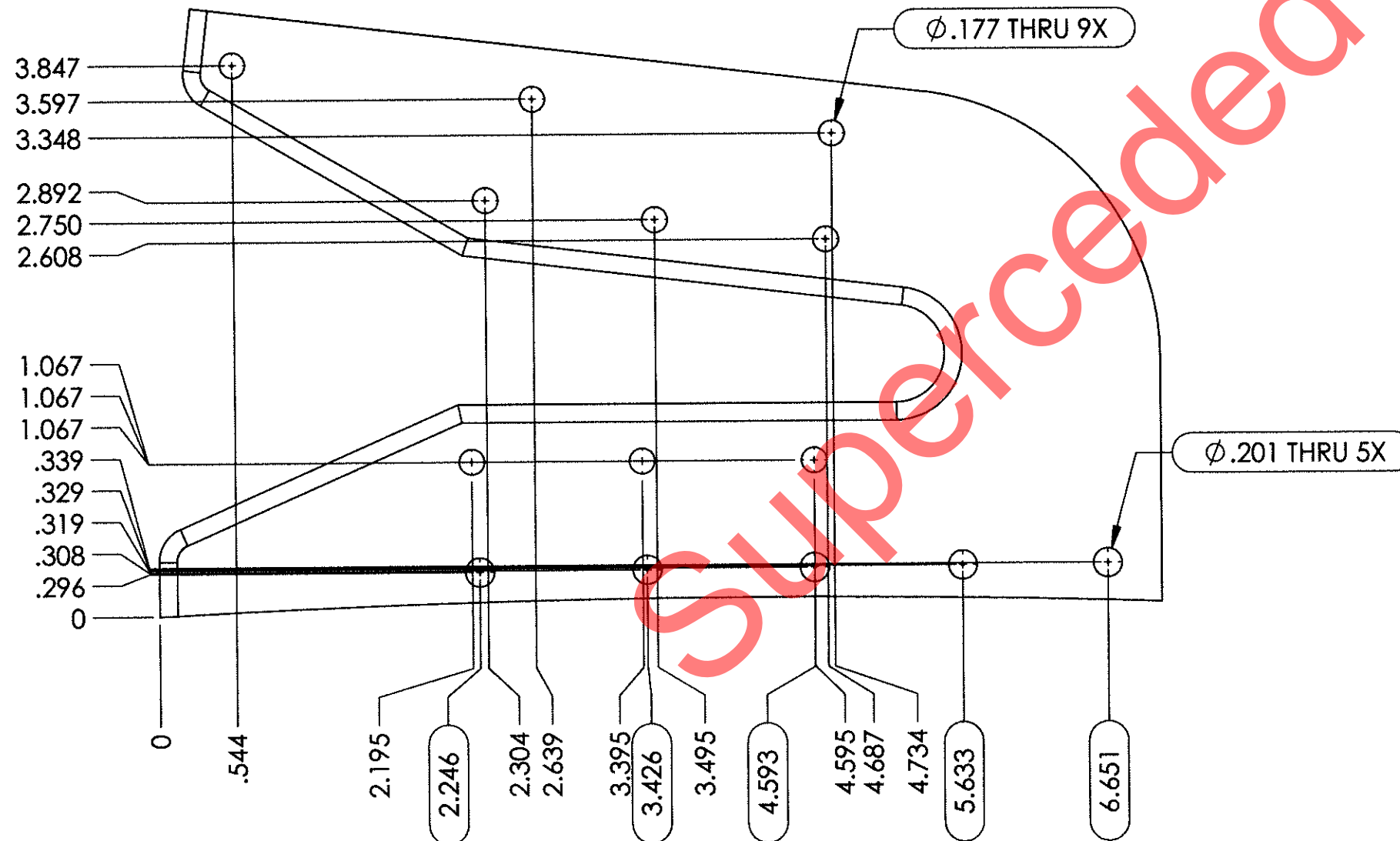
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646.9711

ORIGINAL DATE (MO-DA-YR) 05-29-09		<b>DART</b> 3030 ENTERPRISE CT., SUITE A	
DRAWN BY R. ROSANO		VISTA, CA. 92081	
CHECKER P. BRAVO		(760)-724-5300	
DRAWING APPROVAL P. BRAVO 05-29-09		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		CUTTER SUB ASSEMBLY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. E
CAGE CODE 07MZ6		DWG. NO. 646.9700	SHEET 5 OF 8
SCALE NONE			

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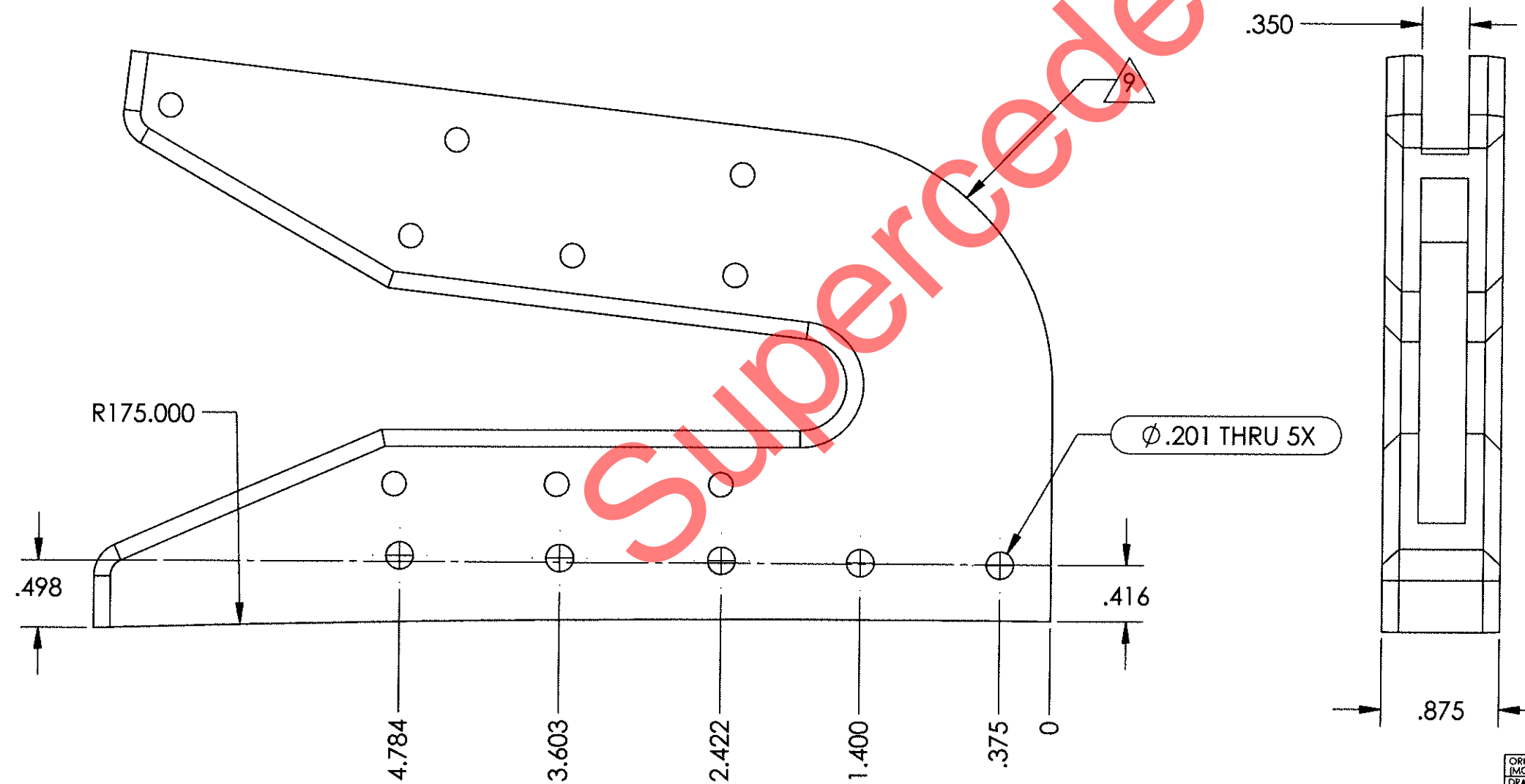
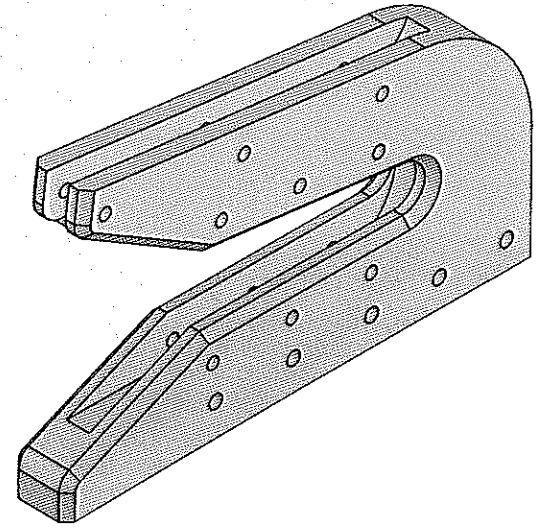
646.9712  $\triangle 9$

646.9712

ORIGINAL DATE (MO-DA-YR) 05-29-09		<b>DART</b> 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY R. ROSANO	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-29-09		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		CUTTER SUB ASSEMBLY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		SIZE B	REV. E
		CAGE CODE 07MZ6	DWG. NO. 646.9700
		SCALE NONE	SHEET 6 OF 8

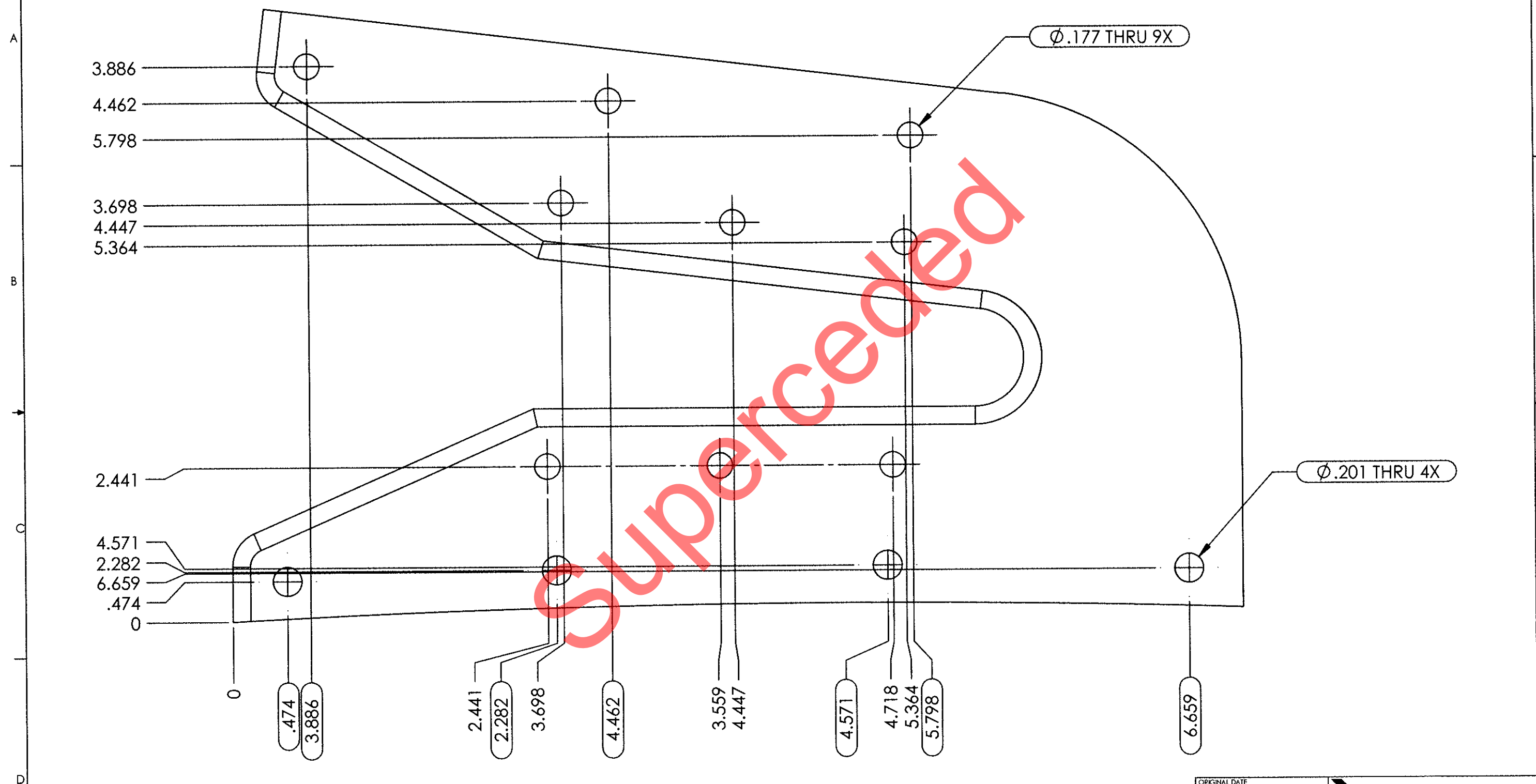
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ORIGINAL DATE MM-DD-YY 05-29-09		<b>DART</b> 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY R. ROSANO	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-29-09		CUTTER SUB ASSEMBLY	
CONTRACT No.		SIZE B	REV. E
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		CAGE CODE 07MZ6	DWG. NO. 646.9700
		SCALE NONE	SHEET 7 OF 8

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HOLE LOCATIONS +/- .002

646.9714

ORIGINAL DATE (MM-DD-YY) 05-29-09		<b>DART</b> AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300		
DRAWN BY R. ROSANO				CHECKER P. BRAVO
DRAWING APPROVAL P. BRAVO 05-29-09				
CONTRACT No.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°				
SIZE B	CAGE CODE 07MZ6	DWG. NO. 646.9700	REV. E	
SCALE NONE		SHEET 8 OF 8		